

# HIGH RISK\* DOFFING Personal Protective Equipment (PPE)



## \*High risk:

Patient is confirmed to have Ebola Virus Disease

OR

Patient is suspected to have Ebola Virus Disease

AND

- has high risk symptoms such as bleeding or uncontrolled diarrhea or uncontrolled vomiting; or
- is unstable and requires a high risk procedure such as an aerosol generating medical procedure (includes intubation, open respiratory/airway suctioning, high-frequency oscillatory ventilation, nebulized therapy, non-invasive positive pressure ventilation), cardiopulmonary resuscitation, central line insertion, or any procedure that could potentially result in copious amounts of body fluid generation or exposure

## PPE Doffing Area

- Designate an area in close proximity to the patient room (e.g., anteroom or adjacent vacant room) that is separate from the clean area where healthcare workers (HCWs) leaving the patient's room can doff and discard their PPE
- Alternatively, some steps of the PPE removal process may be performed in a clearly designated area of the patient's room near the door, which ensures that all doffing steps can be seen and supervised by the trained observer (e.g., through a window so that the instructions of the trained observer can still be heard)
- Provide supplies for disinfection of PPE (hospital grade approved disinfectant wipes) and for hand hygiene
- Provide a space for sitting, parallel to the doffing pad, that can be easily cleaned and disinfected, where the HCW can remove boot covers
- Provide leak-proof infectious waste containers for discarding used PPE
- If a hallway is being used outside the patient room, construct physical barriers to close hallway to traffic (thereby creating an anteroom)
- Post appropriate signage indicating room designation and purpose

## Pre-Doffing Activities (HCW)





- Ensure the trained observer is available to monitor, assist (where required), and document the steps of the PPE doffing checklist with you

## Pre-Doffing Activities (trained observer)





- Don shoe covers, gown, face shield, and gloves to assist HCW with removal of PPE
- Prepare a doffing pad that is marked section 1 and section 2 (or utilize a protocol that follows similar principles, adapted for your facility)
- Read aloud each step of the PPE doffing procedure to the HCW and provide reminders to avoid reflexive actions that may put them at risk, such as touching their face

**PPE items shall be removed slowly and carefully and discarded one piece at a time in a hands-free waste receptacle**






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<b>1. Disinfect outer gloves</b>	
	<ul style="list-style-type: none"> <li>• Use a hospital grade disinfect wipe to clean outer gloves prior to opening the door to the patient room</li> </ul>
<b>2. Clean door handle</b>	<ul style="list-style-type: none"> <li>• Use a new hospital grade disinfectant wipe to clean the door handle before opening the door</li> </ul>
<b>3. Inspect</b>	<ul style="list-style-type: none"> <li>• HCW steps out of the patient room onto section 1 of the doffing pad</li> <li>• Trained observer visually inspects PPE for visible contamination or tears before doffing process is started</li> <li>• If any PPE appears contaminated, HCW will clean and disinfect area using a hospital grade disinfectant wipe</li> </ul>
<b>4. Remove outer gloves</b>	
	<ul style="list-style-type: none"> <li>• Minimize direct contact with inner gloves</li> <li>• Grasp outside edge of glove near the wrist and peel away, rolling the glove inside out</li> <li>• Slide 1 or 2 fingers under the wrist of the remaining glove and peel away</li> <li>• Discard immediately into waste receptacle</li> </ul>
<b>5. Disinfect inner glove</b>	
	<ul style="list-style-type: none"> <li>• Use a hospital grade disinfectant wipe to clean inner gloves</li> </ul>
<b>6. a Remove Apron (if used)</b>	<b>Do Not Remove Over the Head</b>
	<ul style="list-style-type: none"> <li>• Depending on the type of apron used, neck and/or waist straps will be either untied by TO or cut with scissors by TO</li> <li>• HCW will carefully fold the apron inward on to itself, rolling it away and into small bundle and place in waster receptacle</li> <li>• Both HCW and TO will use a hospital grade disinfectant to clean gloves</li> </ul>
<b>6.b Remove Gown</b>	
	<ul style="list-style-type: none"> <li>• Remove gown in a manner that prevents contamination of clothing and skin</li> <li>• Trained observer will carefully put gloved hand under the back of the hood to unfasten top tie first, then outside waist tie, then inside waist tie</li> <li>• HCW will slide 2 fingers under cuff of gown and pull hand into gown. Using the hand that is covered, grab the opposite sleeve of gown and pull away from body over hand. Continue folding the gown inward on to itself and rolling it away from you until it becomes small enough to discard</li> <li>• Place into waste receptacle</li> </ul>





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<b>7. Remove knee high boot covers</b>	
	<ul style="list-style-type: none"> <li>• Sit on a clean chair (if available)</li> <li>• Remove boot covers one at a time by rolling down and outward, lifting your heel first and then your toes</li> <li>• Step out of the boot covers one at a time onto section 2 of the doffing pad</li> <li>• Trained observer will discard boot covers into waste receptacle</li> <li>• <b>If chair is not available</b>, then the HCW will roll the top of the boot covers out and down. The trained observer can continue pulling the boot covers down and hold while the HCW steps on to section 2 of the doffing pad</li> </ul>
<b>8. Remove inner gloves</b>	
	<ul style="list-style-type: none"> <li>• Grasp outside edge of glove near the wrist and peel away, rolling the glove inside out</li> <li>• Slide 1 or 2 fingers under the wrist of the remaining glove and peel away</li> <li>• Discard immediately into waste receptacle</li> </ul>
<b>9. Perform hand hygiene</b>	
	<ul style="list-style-type: none"> <li>• Perform hand hygiene</li> <li>• Alcohol-based hand rub (ABHR) is preferred</li> <li>• Soap and water is used when hands are visibly soiled</li> </ul>
<b>10. Put on new gloves</b>	<ul style="list-style-type: none"> <li>• When hands are dry, put on a new pair of gloves</li> </ul>
<b>11. Remove face shield</b>	
	<ul style="list-style-type: none"> <li>• The front of the face shield is considered contaminated</li> <li>• Handle only by the rear strap and pull it up and over the head gently, allowing the face shield to fall forward</li> <li>• Place in waste receptacle</li> </ul>

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<b>12. Remove gloves</b>	
	<ul style="list-style-type: none"> <li>• Grasp outside edge of glove near the wrist and peel away, rolling the glove inside out</li> <li>• Slide 1 or 2 fingers under the wrist of the remaining glove and peel away</li> <li>• Discard immediately into waste receptacle</li> </ul>
<b>13. Perform hand hygiene</b>	
	<ul style="list-style-type: none"> <li>• Perform hand hygiene</li> <li>• Alcohol-based hand rub (ABHR) is preferred</li> <li>• Soap and water is used when hands are visibly soiled</li> </ul>
<b>14. Put on new gloves</b>	<ul style="list-style-type: none"> <li>• When hands are dry, put on a new pair of gloves</li> </ul>
<b>15. Remove surgical hood</b>	
	<p><b>Option 1:</b></p> <ul style="list-style-type: none"> <li>• Grasp the top point of the surgical hood with dominant hand and the bottom middle of hood with non-dominant hand</li> <li>• Bend head slightly forward, close your eyes</li> <li>• Pull hood forward and off your head in a slow controlled motion, (Non-dominant hand to assist hood over N95 respirator)</li> <li>• Place hood carefully in waste receptacle</li> </ul> <p><b>Option 2:</b> for a tighter fit or concern about contamination</p> <ul style="list-style-type: none"> <li>• TO will use scissors to make a lateral cut to the hood up to facial opening - being very careful not to harm HCW's face</li> <li>• HCW will grasp the top of the hood, opposite to the side where the hood was cut and pulls the hood up and off the head.</li> <li>• Place hood carefully in waste receptacle</li> </ul>
<b>16. Remove gloves</b>	Both HCW and TO follow 16 &17 if Option 2 hood removal used
	<ul style="list-style-type: none"> <li>• Grasp outside edge of glove near the wrist and peel away, rolling the glove inside out</li> <li>• Slide 1 or 2 fingers under the wrist of the remaining glove and peel away</li> <li>• Discard immediately into waste receptacle</li> </ul>
<b>17. Perform hand hygiene</b>	
	<ul style="list-style-type: none"> <li>• Perform hand hygiene</li> <li>• Alcohol-based hand rub (ABHR) is preferred</li> <li>• Soap and water is used when hands are visibly soiled</li> </ul>

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<b>18. Remove N95 respirator</b>	
	<ul style="list-style-type: none"> <li>• The front of the respirator is considered contaminated</li> <li>• Lift the bottom elastic over your head first, then the top elastic up and over your head</li> <li>• Pull forward off the head bending forward to allow respirator to fall away from the face</li> <li>• Place respirator carefully into waste receptacle</li> </ul>
<b>19. Perform hand hygiene</b>	
	<ul style="list-style-type: none"> <li>• Perform hand hygiene</li> <li>• Alcohol-based hand rub (ABHR) is preferred</li> <li>• Soap and water is used when hands are visibly soiled</li> </ul>
<b>20. Put on new gloves</b>	<ul style="list-style-type: none"> <li>• When hands are dry, put on a new pair of gloves</li> </ul>
<b>21. Clean shoes</b>	<ul style="list-style-type: none"> <li>• If a second chair is available, HCW may sit and clean the tops, sides, and bottoms of each shoe using hospital grade disinfectant wipes (use one wipe for each shoe)</li> <li>• If a second chair is not available, the trained observer will wipe the top, sides, and bottoms of each shoe</li> <li>• As each shoe is cleaned, the HCW steps off the doffing pad on to the floor</li> </ul>
<b>22. Remove doffing pad</b>	<ul style="list-style-type: none"> <li>• Trained observer rolls up doffing pad and places in waste receptacle</li> </ul>
<b>23. Remove gloves</b>	
	<ul style="list-style-type: none"> <li>• Grasp outside edge of glove near the wrist and peel away, rolling the glove inside out</li> <li>• Slide 1 or 2 fingers under the wrist of the remaining glove and peel away</li> <li>• Discard immediately into waste receptacle</li> </ul>
<b>24. Perform hand hygiene</b>	
	<ul style="list-style-type: none"> <li>• Perform hand hygiene</li> <li>• Alcohol-based hand rub (ABHR) is preferred</li> <li>• Soap and water is used when hands are visibly soiled</li> </ul>